

**US6053031**

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## Detection system with interchangeable sensors

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A detection system with a measuring head, which has a mount for at least one interchangeable sensor, with a component, which is located at the sensor and receives information on the sensor and transmits same to a detection means at the measuring head. Wireless transmission of the sensor information to the measuring head is provided wherein the component is a passive transponder that can be read by supplying external energy in a wireless manner. The transducer includes a data code carrier, in which the sensor information is stored. The detection means has means for supplying the external energy and means for receiving the sensor information.

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